

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/684,796  
Source: 1 FWO  
Date Processed by STIC: 5/13/05

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 05/13/2005

PATENT APPLICATION: US/10/684,796

TIME: 10:06:30

Input Set : D:\Seqlist.txt

Output Set: N:\CRF4\05122005\J684796.raw

4 <110> APPLICANT: Garman, Jonathan  
 5 Lu, Peter  
 7 <120> TITLE OF INVENTION: MODULATION OF SIGNALING PATHWAYS  
 9 <130> FILE REFERENCE: VITA-019  
 11 <140> CURRENT APPLICATION NUMBER: 10/684,796  
 12 <141> CURRENT FILING DATE: 2003-10-14  
 14 <150> PRIOR APPLICATION NUMBER: 60/418,042  
 15 <151> PRIOR FILING DATE: 2002-10-11  
 17 <150> PRIOR APPLICATION NUMBER: 60/426,212  
 18 <151> PRIOR FILING DATE: 2002-11-14  
 20 <150> PRIOR APPLICATION NUMBER: US02/24655  
 21 <151> PRIOR FILING DATE: 2002-08-02  
 23 <150> PRIOR APPLICATION NUMBER: 60/309,841  
 24 <151> PRIOR FILING DATE: 2001-08-03  
 26 <150> PRIOR APPLICATION NUMBER: 60/360,061  
 27 <151> PRIOR FILING DATE: 2002-02-25  
 29 <150> PRIOR APPLICATION NUMBER: 10/080,273  
 30 <151> PRIOR FILING DATE: 2002-02-19  
 32 <150> PRIOR APPLICATION NUMBER: 60/269,523  
 33 <151> PRIOR FILING DATE: 2001-02-16  
 35 <150> PRIOR APPLICATION NUMBER: 09/724,553  
 36 <151> PRIOR FILING DATE: 2000-11-28  
 38 <150> PRIOR APPLICATION NUMBER: 09/570,118  
 39 <151> PRIOR FILING DATE: 2000-05-12  
 41 <150> PRIOR APPLICATION NUMBER: 60/134,114  
 42 <151> PRIOR FILING DATE: 1999-05-14  
 44 <160> NUMBER OF SEQ ID NOS: 886  
 46 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 48 <210> SEQ ID NO: 1  
 49 <211> LENGTH: 5  
 50 <212> TYPE: PRT  
 51 <213> ORGANISM: Artificial Sequence  
 53 <220> FEATURE:  
 54 <223> OTHER INFORMATION: Synthetic polymer  
 56 <400> SEQUENCE: 1  
 57 Gly Gly Gly Gly Ser  
 58 1 5  
 61 <210> SEQ ID NO: 2  
 62 <211> LENGTH: 14  
 63 <212> TYPE: PRT  
 64 <213> ORGANISM: Artificial Sequence  
 66 <220> FEATURE:  
 67 <223> OTHER INFORMATION: Synthetic polymer

## RAW SEQUENCE LISTING

DATE: 05/13/2005

PATENT APPLICATION: US/10/684,796

TIME: 10:06:30

Input Set : D:\Seqlist.txt

Output Set: N:\CRF4\05122005\J684796.raw

```

69 <400> SEQUENCE: 2
70 Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Val Asp
71 1 5 10
74 <210> SEQ ID NO: 3
75 <211> LENGTH: 18
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Synthetic polymer
82 <400> SEQUENCE: 3
83 Lys Glu Ser Gly Ser Val Ser Ser Glu Gln Leu Ala Gln Phe Arg Ser
84 1 5 10 15
85 Leu Asp
89 <210> SEQ ID NO: 4
90 <211> LENGTH: 13
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Synthetic polymer
97 <400> SEQUENCE: 4
98 Gly Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Gly
99 1 5 10
102 <210> SEQ ID NO: 5
103 <211> LENGTH: 225
104 <212> TYPE: PRT
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Synthetic polymer
110 <400> SEQUENCE: 5
111 Met Ser Pro Ile Leu Gly Tyr Trp Lys Ile Lys Gly Leu Val Gln Pro
112 1 5 10 15
113 Thr Arg Leu Leu Glu Tyr Leu Glu Lys Tyr Glu Glu His Leu
114 20 25 30
115 Tyr Glu Arg Asp Glu Gly Asp Lys Trp Arg Asn Lys Lys Phe Glu Leu
116 35 40 45
117 Gly Leu Glu Phe Pro Asn Leu Pro Tyr Tyr Ile Asp Gly Asp Val Lys
118 50 55 60
119 Leu Thr Gln Ser Met Ala Ile Ile Arg Tyr Ile Ala Asp Lys His Asn
120 65 70 75 80
121 Met Leu Gly Gly Cys Pro Lys Glu Arg Ala Glu Ile Ser Met Leu Glu
122 85 90 95
123 Gly Ala Val Leu Asp Ile Arg Tyr Gly Val Ser Arg Ile Ala Tyr Ser
124 100 105 110
125 Lys Asp Phe Glu Thr Leu Lys Val Asp Phe Leu Ser Lys Leu Pro Glu
126 115 120 125
127 Met Leu Lys Met Phe Glu Asp Arg Leu Cys His Lys Thr Tyr Leu Asn
128 130 135 140
129 Gly Asp His Val Thr His Pro Asp Phe Met Leu Tyr Asp Ala Leu Asp
130 145 150 155 160

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/684,796

DATE: 05/13/2005

TIME: 10:06:30

Input Set : D:\Seqlist.txt

Output Set: N:\CRF4\05122005\J684796.raw

```

131 Val Val Leu Tyr Met Asp Pro Met Cys Leu Asp Ala Phe Pro Lys Leu
132          165          170          175
133 Val Cys Phe Lys Lys Arg Ile Glu Ala Ile Pro Gln Ile Asp Lys Tyr
134          180          185          190
135 Leu Lys Ser Ser Lys Tyr Ile Ala Trp Pro Leu Gln Gly Trp Gln Ala
136          195          200          205
137 Thr Phe Gly Gly Gly Asp His Pro Pro Lys Ser Asp Leu Ile Glu Gly
138    210          215          220
139 Arg
140 225
143 <210> SEQ ID NO: 6
144 <211> LENGTH: 24
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Synthetic polymer
151 <400> SEQUENCE: 6
152 aatggggatc cagctcatta aagg                                24
154 <210> SEQ ID NO: 7
155 <211> LENGTH: 24
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Synthetic polymer
162 <400> SEQUENCE: 7
163 atacatactt gtggaattcg ccac                                24
165 <210> SEQ ID NO: 8
166 <211> LENGTH: 26
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Synthetic polymer
173 <400> SEQUENCE: 8
174 cacggatccc ttctgagttg aaaggc                                26
176 <210> SEQ ID NO: 9
177 <211> LENGTH: 30
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Synthetic polymer
184 <400> SEQUENCE: 9
185 tatgaattcc atctggatca aaaggcaatg                            30
187 <210> SEQ ID NO: 10
188 <211> LENGTH: 30
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Synthetic polymer
195 <400> SEQUENCE: 10

```

## RAW SEQUENCE LISTING

DATE: 05/13/2005

PATENT APPLICATION: US/10/684,796

TIME: 10:06:30

Input Set : D:\Seqlist.txt

Output Set: N:\CRF4\05122005\J684796.raw

```

196 cagggatcca aagagttgaa attcacaagc 30
198 <210> SEQ ID NO: 11
199 <211> LENGTH: 27
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Synthetic polymer
206 <400> SEQUENCE: 11
207 acggaattct gcagcgactg ccgcgtc 27
209 <210> SEQ ID NO: 12
210 <211> LENGTH: 23
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Synthetic polymer
217 <400> SEQUENCE: 12
218 aggatccaga tgcctacat ccc 23
220 <210> SEQ ID NO: 13
221 <211> LENGTH: 23
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Synthetic polymer
228 <400> SEQUENCE: 13
229 ggaattcatg gactgctgca cgg 23
231 <210> SEQ ID NO: 14
232 <211> LENGTH: 28
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Synthetic polymer
239 <400> SEQUENCE: 14
240 agagaattct cgagatgtcc tacatccc 28
242 <210> SEQ ID NO: 15
243 <211> LENGTH: 27
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Synthetic polymer
250 <400> SEQUENCE: 15
251 tgggaattcc taggacagca tggactg 27
253 <210> SEQ ID NO: 16
254 <211> LENGTH: 25
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Synthetic polymer
261 <400> SEQUENCE: 16
262 ctaggatccg ggccagccgg tcacc 25

```

## RAW SEQUENCE LISTING

DATE: 05/13/2005

PATENT APPLICATION: US/10/684,796

TIME: 10:06:30

Input Set : D:\Seqlist.txt

Output Set: N:\CRF4\05122005\J684796.raw

```

264 <210> SEQ ID NO: 17
265 <211> LENGTH: 29
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Synthetic polymer
272 <400> SEQUENCE: 17
273 gacggatccc cctgctgcac ggccttctg                29
275 <210> SEQ ID NO: 18
276 <211> LENGTH: 29
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Synthetic polymer
283 <400> SEQUENCE: 18
284 gacgaattcc cctgctgcac ggccttctg                29
286 <210> SEQ ID NO: 19
287 <211> LENGTH: 25
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Synthetic polymer
294 <400> SEQUENCE: 19
295 ctagaattcg ggccagccgg tcacc                    25
297 <210> SEQ ID NO: 20
298 <211> LENGTH: 82
299 <212> TYPE: PRT
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Synthetic polymer
305 <400> SEQUENCE: 20
306 Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly Val
307 1           5           10           15
308 Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr Lys Ile
309           20           25           30
310 Ile Glu Gly Gly Ala Ala His Lys Asp Gly Lys Leu Gln Ile Gly Asp
311           35           40           45
312 Lys Leu Leu Ala Val Asn Asn Val Cys Leu Glu Glu Val Thr His Glu
313           50           55           60
314 Glu Ala Val Thr Ala Leu Lys Asn Thr Ser Asp Phe Val Tyr Leu Lys
315 65           70           75           80
316 Val Ala
320 <210> SEQ ID NO: 21
321 <211> LENGTH: 101
322 <212> TYPE: PRT
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: Synthetic polymer
328 <400> SEQUENCE: 21

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/10/684,796**

DATE: 05/13/2005

TIME: 10:06:31

Input Set : **D:\Seqlist.txt**

Output Set: **N:\CRF4\05122005\J684796.raw**